

10/050,259

Amendment/Response

Page 2 of 14

37 CFR § 1.121(c)(3). A marked-up copy of the claim(s) changed by this amendment, showing all changes made relative to the previous version of the claim(s), accompanies this paper on a separate sheet or sheets.

B1

1. (Amended) A lighting device with an optical waveguide plate that has a light emission surface and a plurality of channels each for accommodating at least one substantially linear light source, wherein said channels are covered with a first reflecting layer at their upper sides facing the light emission surface, and the coupling of the light into the optical waveguide plate takes place through side walls of the channels.

2. (Amended) The lighting device of claim 1, wherein the side walls of the channels extend substantially perpendicularly to the light emission surface, and the upper sides of the channels extend substantially parallel to the light emission surface.

3. (Amended) The lighting device of claim 1, wherein the channels are covered with a second reflecting layer at their lower sides opposite to the upper sides.

S:\BR\DE\01\DE010020 AMENDMENT 2.B26.DOC

10/050,259

Amendment/Response

Page 3 of 14

4. (Amended) The lighting device of claim 1, wherein the channels have a substantially rectangular cross-section.

5. (Amended) The lighting device of claim 1, wherein the channels are embedded in a lower side of the optical waveguide plate opposed to the light emission surface.

B1
6. (Amended) The lighting device of claim 1, wherein the optical waveguide plate a plurality of optical waveguide elements in which the channels are provided and which are optically fixedly connected to the lower side of the optical waveguide plate opposite to the light emission surface.

7. (Amended) The lighting device of claim 1, wherein the at least one light source is a low-pressure gas discharge lamp.

8. (Amended) A lighting device with an optical waveguide plate that has a light emission surface and a plurality of channels each for accommodating at least one substantially linear light source, wherein:

S:\BR\DE\01\DE010020 AMENDMENT 2.B26.DOC

10/050,259

Amendment/R sponse

Page 4 of 14

the channels are covered with a first reflecting layer at their upper sides facing the light emission surface, and the coupling of the light into the optical waveguide plate takes place through side walls of the channels;

the channels are covered with a second reflecting layer at their lower sides opposite to the upper sides; and

the second reflecting layer extends over the lateral surfaces and the lower side of the optical waveguide plate.

B1
9. (Amended) The lighting device of claim 8, wherein the second reflecting layer has a spacing forming an air gap from the optical waveguide plate.

10. (Amended) The lighting device of claim 1, wherein the first reflecting layer has a continuation in the form of a first portion extending in horizontal direction into the optical waveguide plate.

11. (Amended) The lighting device of claim 1, wherein the first reflecting layer has a continuation in the form of a second portion extending along the side walls of the channels.

S:\BR\DE\01\DE010020 AMENDMENT 2.826.DOC

10/050,259

Amendment/Response

Page 5 of 14

12. (Amended) A lighting device with an optical waveguide plate that has a light emission surface and a plurality of channels each for accommodating at least one substantially linear light source, wherein:

the channels are covered with a first reflecting layer at their upper sides facing the light emission surface;

the coupling of the light into the optical waveguide plate takes place through side walls of the channels; and

the edges of the channels situated opposite the upper side are surrounded by a third reflecting layer.

B! 13. (Twice Amended) A liquid crystal display including the lighting device of claim 1.

14. (Newly Added) A liquid crystal display including the lighting device of claim 2.

15. (Newly Added) A liquid crystal display including the lighting device of claim 3.

16. (Newly Added) A liquid crystal display including the lighting device of claim 4.

S:\BR\DE\01\DE010020 AMENDMENT 2.B26.DOC

10/050,259

Amendment/Response

Page 6 of 14

17. (Newly Added) A liquid crystal display including the lighting device of claim 5.

18. (Newly Added) A liquid crystal display including the lighting device of claim 8.

19. (Newly Added) A liquid crystal display including the lighting device of claim 9.

20. (Newly Added) A liquid crystal display including the lighting device of claim 12.

In the Abstract:

Please replace the Abstract of the disclosure with the Abstract provided on the final sheet of this paper.

Another version of the replacement Abstract, marked-up to show all the changes relative to the previous version of the paragraph(s), accompanies this paper on one or more separate pages per 37 CFR § 1.121(b)(1)(iii).